# SAMUEL MUCHAI MACHARIA

## DATA SCIENTIST

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## Professional Summary

Dedicated and detail-oriented Health Informatics professional with a strong background in data analysis, database management, and medical coding. Experienced in health records management and software development, with proficiency in various computer applications and networking. Passionate about leveraging technology to improve healthcare data systems and streamline operations. Strong programming expertise in Python, SQL C, HTML, and CSS, with ongoing learning in JavaScript and Solidity. Well-versed in data visualization using Matplotlib.

## Languages

- English (Fluent)

- Swahili (Fluent)

## Education

*Jomo Kenyatta University of Agriculture and Technology (2022-2026)*

– BSc. Health Records and Informatics

*Kanjuri High School (2018 – 2022)*

– Kenya Certificate of Secondary Education

## Work Experience

*Naivasha County Referral Hospital*

Health Informatics Intern (May 2024 – July 2024)

- Assisted in the management and analysis of health records and patient data.

- Supported the implementation and maintenance of hospital information systems.

- Applied medical coding and billing techniques to streamline records processing.

- Provided technical support in database management and system networking.

- Gained hands-on experience in software development related to health informatics.

## Technical Skills

- Programming: Python, C, HTML, CSS (Currently learning JavaScript and Solidity)

- Data Visualization: Matplotlib

- Computer Networking: Knowledgeable in network configurations and system security

- Software Development: Understanding of application design and development

- Database Management: Skilled in organizing, maintaining, and analyzing data

- Medical Coding & Billing: Experience in health record classification and insurance processes

- Microsoft Office: Proficient in Word, Excel, PowerPoint, and Access

- Linux: Familiar with Linux-based systems and command-line operations

## Interests & Hobbies

- Technology and software development

- Data analysis and visualization

- Networking and system security

- Research in healthcare informatics